

Abstract

An elevator system is provided with multiple sky lobbies to reduce the space required for elevator shafts and the space required for the entire elevator system, as well as the required elevator speed and motor capacity.

Sky lobbies LS_1 - LS_x are arranged above building lobby L_G at ground level, with a prescribed number of floors between them. Shuttle elevator (1) stops only at building lobby L_G and sky lobbies LS_1 - LS_x , and passes through the various floors between lobbies by making them an express region. Local elevators service the floors in each bank between adjacent sky lobbies. Local elevators (2a), (2c), (2e), (2g) for the odd-numbered banks are arranged along the same elevator shaft, and local elevators (2b), (2d), (2f) for the even-numbered banks are arranged along another same elevator shaft.